



INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Multiple sheets used when necessary)	Application No.	10/817,591
	Filing Date	April 2, 2004
	First Named Inventor	Sallberg et al.
	Art Unit	1648
SHEET 1 OF 7	Examiner	Bao Q. Li
	Attorney Docket No.	TRIPEP.23AUS2C1

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
/BL/	1	4,946,778	08/07/1990	Ladner et al.	
	2	4,950,647	08/21/90	Robins et al.	
	3	5,350,671	09/27/94	Houghton et al.	
	4	5,371,017	12/06/1994	Houghton et al.	
	5	5,372,928	12/13/94	Miyamura et al.	
	6	5,585,258	12/17/1996	Houghton et al.	
	7	5,589,466	12/31/1996	Felgner et al.	
	8	5,597,691	01/28/1997	Houghton et al.	
	9	5,670,152	09/23/97	Weiner et al.	
	10	5,670,153	09/23/97	Weiner et al.	
	11	5,679,342	10/21/1997	Houghton et al.	
	12	5,683,864	11/04/97	Houghton et al.	
	13	5,698,390	12/16/1997	Houghton et al.	
	14	5,712,087	01/27/1998	Houghton et al.	
	15	5,712,088	01/27/1998	Houghton et al.	
	16	5,712,145	01/27/98	Houghton et al.	
	17	5,714,596	02/03/1998	Houghton et al.	
	18	5,728,520	03/17/98	Weiner et al.	
	19	5,756,312	03/26/98	Weiner et al.	
	20	5,767,097	06/16/98	Tam	
	21	5,856,437	01/05/99	Miyamura et al.	
	22	5,863,719	01/26/1999	Houghton et al.	
	23	5,871,903	02/16/99	Miyamura et al.	
	24	5,885,799	03/23/1999	Houghton et al.	
	25	5,932,556	08/03/1999	Tam et al.	
	26	5,942,234	08/24/99	Ralston et al.	
	27	5,959,092	08/24/1999	Ralston et al.	
	28	5,968,775	10/18/1999	Houghton et al.	
	29	5,989,905	11/23/99	Houghton et al.	

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/BL/	30	6,027,729	02/22/2000	Houghton et al.	
	31	6,056,961	05/02/2000	Lavie et al.	
	32	6,060,068	05/09/00	Doyle et al.	
	33	6,063,380	05/16/2000	Chedid et al.	
	34	6,063,772	05/16/00	Tam	
	35	6,071,693	06/06/00	Cha et al.	
	36	6,074,816	06/13/2000	Houghton et al.	
	37	6,074,846	06/13/2000	Ralston et al.	
	38	6,074,852	06/13/2000	Ralston et al.	
	39	6,096,541	08/01/2000	Houghton et al.	
	40	6,130,326	10/10/2000	Ramasamy et al.	
	41	6,150,087	11/21/2000	Chien	
	42	6,150,337	11/21/2000	Tam	
	43	6,171,782	01/09/2001	Houghton et al.	
	44	6,190,864	02/20/01	Cha et al.	
	45	6,194,140	02/27/01	Houghton et al.	
	46	6,214,583	04/10/01	Cha et al.	
	47	6,235,888	05/22/2001	Pachuk et al.	
	48	6,274,148	08/14/2001	Ralston et al.	
	49	6,297,370	10/02/2001	Cha et al.	
	50	6,303,292	10/16/2001	Weiner et al.	
	51	6,312,889	11/06/2001	Houghton et al.	
	52	6,514,731	02/04/03	Valenzuela et al.	
	53	6,541,011	04/01/03	Punnonen et al.	
	54	6,555,114	04/29/03	Leroux-Roels et al.	
	55	2002/0004048	01/10/2002	Ralston et al.	
	56	2002/0165172 A1	11/07/02	Sallberg et al.	
	57	2002/0183508 A1	12/05/02	Maertens et al.	
✓	58	2002/0187945 A1	12/12/02	Tam	

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/BL/	59	2003/0007977	01/09/03	Wheeler et al.	
	60	2003/0008274	01/09/03	Maertens et al.	
	61	2003/0032005	02/13/03	Maertens et al.	
	62	2003/0044774	03/06/03	Valenzuela et al.	
	63	2003/0064360	04/03/03	Maertens et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
/BL/	64	EP 0 318 216	08/29/01	European Patent Office		
	65	EP 0 388 232	09/19/90	European Patent Office		
	66	EP 0 398 748	01/09/02	European Patent Office		
	67	EP 0 414 475	02/27/91	European Patent Office		
	68	EP 0 450 931	06/12/96	European Patent Office		
	69	EP 0 543 924	06/18/97	European Patent Office		
	70	EP 0 556 292	12/29/99	European Patent Office		
	71	EP 0 693 687	07/28/99	European Patent Office		
	72	EP 0 842 947	05/20/98	European Patent Office		
	73	EP 1 034 785	09/13/00	European Patent Office		
	74	WO 00/44388	08/03/00	WIPO		
	75	WO 02/13855	02/21/02	WIPO		
	76	WO 02/14362	02/21/02	WIPO		
	77	WO 91/15575	10/17/91	WIPO		
	78	WO 92/19743	11/12/92	WIPO		
	79	WO 93/00365	01/07/93	WIPO		
	80	WO 93/06126	04/01/93	WIPO		
	81	WO 94/16737	08/07/94	WIPO		
	82	WO 96/28162	09/19/96	WIPO		
	83	WO 97/12043	04/03/97	WIPO		

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/BL/	84	WO 97/26883	07/31/97	WIPO		
	85	WO 98/16184	04/23/98	WIPO		
	86	WO 98/16186	04/23/98	WIPO		
	87	WO 98/30223	07/16/98	WIPO		

NON PATENT LITERATURE DOCUMENTS			
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/BL/	88	AASLD Abstracts 940, "Hepatitis C Virus NS5A Sequence Configuration does not Predict Response to Induction Interferon Plus Ribavirin," <i>Hepatology</i> , p. 394A (2000).	
	89	Abrignani et al., "Perspectives for a vaccine against hepatitis C virus," <i>Journal of Hepatology</i> , 31: (suppl. 1):259-263 (1999).	
	90	Bartenschlager et al., "Substrate Determinants for Cleavage in cis and in trans by the Hepatitis C Virus NS3 Proteinase," <i>Journal of Virology</i> , pp. 198 - 205, (1995).	
	91	Chen et al., "Detection of Hepatitis C Virus RNA in the Cell Fraction of Saliva Before and After Oral Surgery," <i>J. Med. Virol.</i> , 43:223-226 (1995).	
	92	Chen et al., "Human and Murine Antibody Recognition is Focused on the ATPase/Helicase, but not the Protease Domain of the Hepatitis C Virus Nonstructural 3 Protein," <i>Hepatology</i> , 28(1):219-224 (1998).	
	93	Chiang et al., "Enhancement of hepatitis C virus core antigen-specific type 1 T helper cell response by ribavirin correlates with the increased level of IL-2," <i>Vaccine Strategies Against Microbial Pathogens</i> , 42.11-42.16, p. A949 (date unknown). (2000)	
	94	Cotonat et al., "Pilot Study of Combination Therapy with Ribavirin and Interferon Alfa for the Retreatment of Chronic Hepatitis B e Antibody-Positive Patients," <i>Hepatology</i> , 31(2):502-506 (2000).	
	95	Cramp et al., "Hepatitis C Virus-Specific T-Cell Reactivity During Interferon and Ribavirin Treatment in Chronic Hepatitis C," <i>Gastron. Enterol.</i> , 118:346-355 (2000)	
	96	Diepolder et al., "Possible mechanism involving T-lymphocyte response to non-structural protein 3 in viral clearance in acute hepatitis C virus infection," <i>Lancet</i> , 346(8981):1006-1007. (1995)	
	97	Encke et al., "Genetic Immunization Generates Cellular and Humoral Immune Responses Against the Nonstructural Proteins of the Hepatitis C Virus in a Murine Model", <i>Journal of Immunology</i> , 161:4917-4923 (1998).	
	98	Fang et al., "Ribavirin enhancement of hepatitis C virus core antigen-specific type 1 T helper cell response correlates with the increased IL-12 level," <i>Journal of Hepatology</i> , 33(5):791-798 (2000).	
	99	Gordon et al., "Immune responses to hepatitis C virus structural and nonstructural proteins induced by plasmid DNA immunizations," <i>Journal of Infectious Diseases</i> , 181(1):42-50. (2000)	
	100	Grakoui et al., "A second hepatitis C virus-encoded proteinase," <i>Proc. Natl. Acad. Sci USA</i> , 90:10583-10587, (1993).	

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/BL/	101	Hsu et al., "Prospects for a Hepatitis C Virus Vaccine", <i>Clin Liver Dis</i> , 3(4):901-915 (1999).	
	102	http://www.msi.com/life/products/cerius2/modules/analogbuilder.html , C2Analog Builder, July 6, 2000.	
	103	Huffman et al., "In vitro effect of 1-beta-D-ribofuranosyl-1,2,4-triazole-3-carboxamide (virazole, ICN 1229) on deoxyribonucleic acid and ribonucleic acid viruses," <i>Antimicrob. Agents. Chemother.</i> , 3(2):235 (1973).	
	104	Jin et al., "Expression, isolation, and characterization of the hepatitis C virus ATPase/RNA Helicase," <i>Arch. Biochem. Biophys.</i> , 323:47-53 (1995).	
	105	Kakumu et al., "Pilot Study of Ribavirin and Interferon- for Chronic Hepatitis B," <i>Hepatology</i> , 18(2):258-263 (1993).	
	106	Kato, "Genome of human hepatitis C virus (HCV): gene organization, sequence diversity, and variation," <i>Microb. Com. Genomics</i> , 5(3):129-151 (2000).	
	107	Kumar et al., "Sequence, expression and reconstitution of an HCV genome from a British isolate derived from a single blood donation," <i>Journal of Viral Hepatitis</i> , 7:459-465 (2000).	
	108	Kwong et al., "Hepatitis C virus NS3/4A protease," <i>Antiviral Res.</i> , 41(1):67-84 (1999).	
	109	Kwong et al., "Structure and function of hepatitis C virus NS3 helicase," <i>Curr. Top. Microbiol. Immunol.</i> , 242:171-196 (2000).	
	110	Lawrence et al., "Advances in the treatment of hepatitis C," <i>Adv. Intern. Med.</i> , 45:65-105 (2000).	
	111	Li et al., "Role of the guanosine triphosphatase Rac2 in T helper 1 cell differentiation," <i>Science</i> , 288:2219-2222 (2000).	
	112	Marquardt et al., "Ribavirin inhibits mast cell mediator release," <i>J. Pharmacol. Exp. Therapeutics</i> , 240(1):145-149 (1987).	
	113	Marshall et al., "Detection of HCV RNA by the asymmetric gap ligase chain reaction," <i>PCR Methods and Applications</i> , 4(2):80-84 (1994).	
	114	Memar O. et al., "Antiviral Agents in Dermatology; Current Status and Future Prospects," <i>Internation Journal of Dermatology</i> , 34(9):597-606 (1995).	
	115	Missale et al., "Different clinical behaviors of acute hepatitis C virus infection are associated with different vigor of the anti-viral cell-mediated immune response," <i>J. Clin. Invest.</i> , 98(3):706-714 (1996).	
	116	Neuberger et al., "Recombinant antibodies possessing novel effector functions," <i>Nature</i> , 312:604-608 (1984).	
	117	Pape et al., "Role of the specific T-cell response for clearance and control of hepatitis C virus," <i>J. Viral. Hepat.</i> , Supp. 6, 1:36-40 (1999).	
	118	Peavy et al., "Inhibition of murine plaque-forming cell responses in vivo by ribavirin," <i>J. Immunology</i> , 126(3):861-864 (1981).	
✓	119	Powers et al., "Selective inhibition of functional lymphocyte subpopulations by ribavirin," <i>Antimicrob. Agents. Chemother.</i> , 22(1):108-114 (1982).	

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/BL/	138	Zhang et al., "Molecular basis for antibody cros-reactivity between the hepatitis C virus core protein and the host-derived GOR protein," <i>Clin. Exp. Immunol.</i> , 96(3):403-409 (1994).	
/BL/	139	Zhang et al., "Interferon- α Treatment Induces Delayed CD4 Proliferative Responses to the Hepatitis C Virus Nonstructural Protein 3 Regardless of the Outcome of Therapy," <i>The Journal of Infectious Diseases</i> , 175:1294-1301 (1997).	

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